

10/506409 STN SEARCH  
11/21/06 RA

=> index bioscience  
=> s microarray or array  
L1 QUE MICROARRAY OR ARRAY  
=> s local optim?  
L2 QUE LOCAL OPTIM?  
=> s local?  
L3 QUE LOCAL?  
=> s optim? or minim? or maxim?  
L4 QUE OPTIM? OR MINIM? OR MAXIM?  
=> s l3 (A) l4  
L5 QUE L3 (A) L4  
=> s l5 and l1  
L6 QUE L5 AND L1  
=> s Mahalanobis distance  
L7 QUE MAHALANOBIS DISTANCE  
=> s quality function  
L8 QUE QUALITY FUNCTION  
=> s l8 and l6  
L9 QUE L8 AND L6  
=> d rank  
=> file f1-f8  
=> s l9  
L10 26 L9  
=> duplicate remove  
L11 18 DUPLICATE REMOVE L10 (8 DUPLICATES REMOVED)  
=> d scan  
=> index bioscience  
=> s bhattacharya distance  
L12 QUE BHATTACHARYA DISTANCE  
=> s l6 and (l7 or l12)  
L13 QUE L6 AND (L7 OR L12)

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=> s l13 and @ad<=2002

L14  QUE L13 AND @AD<=2002

=> s l6 and (@ay<=2002 or @py<=2002)

L15  QUE L6 AND (@AY<=2002 OR @PY<=2002)

=> file ifipat uspatfull uspat2

=> s l13
L16          37 L13

=> duplicate remove
L17          33 DUPLICATE REMOVE L16 (4 DUPLICATES REMOVED)

=> s l17 and ay<=2002
L18          20 L17 AND AY<=2002

=> d scan

=> index bioscience

=> s l6 and (ay<=2002 or py<=2002)

L19  QUE L6 AND (AY<=2002 OR PY<=2002)

=> s substit* or cross validat?

L20  QUE SUBSTIT* OR CROSS VALIDAT?

=> s l20 and l19

      2 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L21  QUE L20 AND L19

=> d rank

=> file f1-f2

=> s l21
L22          57 L21

=> duplicate remove
L23          48 DUPLICATE REMOVE L22 (9 DUPLICATES REMOVED)

=> d scan

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10/506409

Searched RA  
11/21/06**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	946213	array microarray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/17 10:00
S2	1336689	express\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/17 10:01
S3	40653	S1 S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/11/17 10:04
S4	2036	quality function	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 10:05
S5	15	S3 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:06
S6	1224	Mahalanobis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:07
S7	2	S5 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 15:45
S8	65	S3 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:09

## EAST Search History

S9	3446	Bhattacharya	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:09
S10	65	S3 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:10
S11	384	S3 S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:10
S12	10	S5 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:39
S13	35	S8 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:14
S14	334	S11 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:19
S15	39	S9 distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 10:14
S16	1071	S6 distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 10:14

## EAST Search History

S17	558	S16 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:18
S18	54	S3 S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:15
S20	6	S15 S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 10:18
S21	1	S20 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:35
S22	1140205	local\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:35
S23	1550281	optim\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:36
S24	2375109	maxim\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:36
S25	3035802	minim\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:36

## EAST Search History

S26	15153	S22 (S23 or S24 or S25)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 14:37
S27	946213	array microarray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/17 14:37
S28	1336689	express\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/17 14:37
S29	40653	S27 S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/11/17 14:37
S30	566	S26 S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:38
S31	1577841	substi\$6 or cross-validat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:39
S32	285	S30 S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:39
S33	219	S32 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 15:54

## EAST Search History

S34	1224	Mahalanobis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:40
S35	3446	Bhattacharya	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:40
S36	39	S35 distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 14:40
S37	1071	S34 distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 14:40
S38	0	S33 (S36 S37)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:41
S39	2036	quality function	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/11/17 14:41
S40	3	S33 S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 14:41
S41	65	S29 S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 15:48

## EAST Search History

S42	54	S29 S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 15:50
S43	26	S42 (@rlad<"20020301" or @ad<"20020301")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/17 15:50
S44	0	("20060088831").PN.	USPAT; USOCR	OR	OFF	2006/11/17 16:06
S45	0	(2006/0088831).CCLS.	USPAT; USOCR	OR	OFF	2006/11/17 16:06
S46	0	("2006000831").PN.	USPAT; USOCR	OR	OFF	2006/11/17 16:07
S47	0	("20060088831").PN.	USPAT; USOCR	OR	OFF	2006/11/17 16:07
S48	1	("6262249").PN.	USPAT; USOCR	OR	OFF	2006/11/17 16:07
S49	1	("6429302").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 16:11
S50	1	("6368794").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 16:12
S51	1	("6461814").PN.	USPAT; USOCR	OR	OFF	2006/11/17 16:13
S52	1	("20060183141").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 16:14
S53	5612	diagnosing disease	US-PGPUB; USPAT; USOCR	ADJ	OFF	2006/11/17 16:24
S54	504	methods S53	US-PGPUB; USPAT; USOCR	WITH	OFF	2006/11/17 16:26
S55	98	support vector machine classifier	US-PGPUB; USPAT; USOCR	ADJ	OFF	2006/11/17 16:26
S56	0	systems S55	US-PGPUB; USPAT; USOCR	WITH	OFF	2006/11/17 16:26



## EAST Search History

S57	32	apparatus S55	US-PGPUB; USPAT; USOCR	WITH	OFF	2006/11/17 16:28
S58	2	identifying biological patterns	US-PGPUB; USPAT; USOCR	ADJ	OFF	2006/11/17 16:29
S59	967985	gene expression analysis	US-PGPUB; USPAT	OR	OFF	2006/11/17 16:31
S60	5090	gene expression analysis	US-PGPUB; USPAT	ADJ	OFF	2006/11/17 16:31
S61	1903	lung carcinomas	US-PGPUB; USPAT	ADJ	OFF	2006/11/17 16:31
S62	1	S60 S61	US-PGPUB; USPAT	WITH	OFF	2006/11/17 16:33
S63	7	monitoring transplant rejection	US-PGPUB; USPAT	ADJ	OFF	2006/11/17 16:33